RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/533,622_

Source: _I4N16_

Date Processed by STIC: _9/15/06_

ENTERED

IFW16

RAW SEQUENCE LISTING   DATE: 09/15/2006
PATENT APPLICATION: **US/10/533,622**   TIME: 15:49:04

Input Set : **A:\SEQLIST.TXT**
Output Set: **N:\CRF4\09152006\J533622.raw**

```
   4 <110> APPLICANT: The Center For Blood Research, Inc., et al.
   6 <120> TITLE OF INVENTION: METHODS FOR TREATING AND PREVENTING
   7        APOPTOSIS-RELATED DISEASES USING RNA INTERFERING AGENTS
  10 <130> FILE REFERENCE: CBN-008PC
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/533,622
C--> 12 <141> CURRENT FILING DATE: 2005-04-29
  12 <150> PRIOR APPLICATION NUMBER: 60/422,578
  13 <151> PRIOR FILING DATE: 2002-10-30
  15 <160> NUMBER OF SEQ ID NOS: 28
  17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
  19 <210> SEQ ID NO: 1
  20 <211> LENGTH: 25
  21 <212> TYPE: DNA
  22 <213> ORGANISM: Artificial Sequence
  24 <220> FEATURE:
  25 <223> OTHER INFORMATION: Synthetic construct
  27 <400> SEQUENCE: 1
  28 gugcaagugc aaaccagact ttttt                              25
  30 <210> SEQ ID NO: 2
  31 <211> LENGTH: 25
  32 <212> TYPE: DNA
  33 <213> ORGANISM: Artificial Sequence
  35 <220> FEATURE:
  36 <223> OTHER INFORMATION: Synthetic construct
  38 <400> SEQUENCE: 2
  39 gucugguuug cacuugcact ttttt                              25
  41 <210> SEQ ID NO: 3
  42 <211> LENGTH: 25
  43 <212> TYPE: DNA
  44 <213> ORGANISM: Artificial Sequence
  46 <220> FEATURE:
  47 <223> OTHER INFORMATION: Synthetic construct
  49 <400> SEQUENCE: 3
  50 agccgaaugu cgcagaacct ttttt                              25
  52 <210> SEQ ID NO: 4
  53 <211> LENGTH: 25
  54 <212> TYPE: DNA
  55 <213> ORGANISM: Artificial Sequence
  57 <220> FEATURE:
  58 <223> OTHER INFORMATION: Synthetic construct
  60 <400> SEQUENCE: 4
  61 gguucugcga cauucggcut ttttt                              25
  63 <210> SEQ ID NO: 5
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RAW SEQUENCE LISTING   DATE: 09/15/2006
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Input Set : **A:\SEQLIST.TXT**
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 64 <211> LENGTH: 25
 65 <212> TYPE: DNA
 66 <213> ORGANISM: Artificial Sequence
 68 <220> FEATURE:
 69 <223> OTHER INFORMATION: Synthetic construct
 71 <400> SEQUENCE: 5
 72 ggauuauauc aaggaggcct ttttt                                25
 74 <210> SEQ ID NO: 6
 75 <211> LENGTH: 25
 76 <212> TYPE: DNA
 77 <213> ORGANISM: Artificial Sequence
 79 <220> FEATURE:
 80 <223> OTHER INFORMATION: Synthetic construct
 82 <400> SEQUENCE: 6
 83 ggccuccuug auauaaucct ttttt                                25
 85 <210> SEQ ID NO: 7
 86 <211> LENGTH: 25
 87 <212> TYPE: DNA
 88 <213> ORGANISM: Artificial Sequence
 90 <220> FEATURE:
 91 <223> OTHER INFORMATION: Synthetic construct
 93 <400> SEQUENCE: 7
 94 aucgccuaug guuguugact ttttt                                25
 96 <210> SEQ ID NO: 8
 97 <211> LENGTH: 25
 98 <212> TYPE: DNA
 99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Synthetic construct
104 <400> SEQUENCE: 8
105 gucaacaacc auaggcgaut ttttt                                25
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 25
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic construct
115 <400> SEQUENCE: 9
116 auacaucccg agaauugcut ttttt                                25
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 25
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Synthetic construct
126 <400> SEQUENCE: 10
127 agcaauucuc gggauguaut ttttt                                25
129 <210> SEQ ID NO: 11
130 <211> LENGTH: 25
```

```
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Synthetic construct
137 <400> SEQUENCE: 11
138 aagccgaaug ucgcagaact ttttt                              25
140 <210> SEQ ID NO: 12
141 <211> LENGTH: 25
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Synthetic construct
148 <400> SEQUENCE: 12
149 guucugcgac auucggcuut ttttt                              25
151 <210> SEQ ID NO: 13
152 <211> LENGTH: 21
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Synthetic construct
159 <400> SEQUENCE: 13
160 ggcuacgucc aggagcgcac c                                  21
162 <210> SEQ ID NO: 14
163 <211> LENGTH: 21
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Synthetic construct
170 <400> SEQUENCE: 14
171 ugcgcuccug gacguagccu u                                  21
173 <210> SEQ ID NO: 15
174 <211> LENGTH: 25
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Synthetic construct
181 <400> SEQUENCE: 15
182 ggcuacgucc aggagcgcat ttttt                              25
184 <210> SEQ ID NO: 16
185 <211> LENGTH: 25
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Synthetic construct
192 <400> SEQUENCE: 16
193 ugcgcuccug gacguagcct ttttt                              25
195 <210> SEQ ID NO: 17
196 <211> LENGTH: 9
197 <212> TYPE: PRT
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RAW SEQUENCE LISTING   DATE: 09/15/2006
PATENT APPLICATION: US/10/533,622   TIME: 15:49:04

Input Set : A:\SEQLIST.TXT
Output Set: N:\CRF4\09152006\J533622.raw

```
198 <213> ORGANISM: HIV-1
200 <400> SEQUENCE: 17
201 Arg Lys Lys Arg Arg Gln Arg Arg Arg
202 1           5
205 <210> SEQ ID NO: 18
206 <211> LENGTH: 13
207 <212> TYPE: PRT
208 <213> ORGANISM: HIV-1
210 <400> SEQUENCE: 18
211 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Pro Gln
212 1           5                   10
215 <210> SEQ ID NO: 19
216 <211> LENGTH: 11
217 <212> TYPE: PRT
218 <213> ORGANISM: HIV-1
220 <400> SEQUENCE: 19
221 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
222 1           5                   10
225 <210> SEQ ID NO: 20
226 <211> LENGTH: 26
227 <212> TYPE: PRT
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 20
231 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
232 1           5                   10                  15
233 Val Gln Arg Lys Arg Gln Lys Leu Met Pro
234             20                  25
237 <210> SEQ ID NO: 21
238 <211> LENGTH: 17
239 <212> TYPE: PRT
240 <213> ORGANISM: Caiman crocodylus
242 <400> SEQUENCE: 21
243 Met Gly Leu Gly Leu His Leu Leu Val Leu Ala Ala Ala Leu Gln Gly
244 1           5                   10                  15
245 Ala
249 <210> SEQ ID NO: 22
250 <211> LENGTH: 23
251 <212> TYPE: PRT
252 <213> ORGANISM: HIV-1
254 <400> SEQUENCE: 22
255 Gly Ala Leu Phe Leu Gly Phe Leu Gly Ala Ala Gly Ser Thr Met Gly
256 1           5                   10                  15
257 Ala Pro Lys Ser Lys Arg Lys
258             20
261 <210> SEQ ID NO: 23
262 <211> LENGTH: 16
263 <212> TYPE: PRT
264 <213> ORGANISM: Drosophila
266 <400> SEQUENCE: 23
```

```
      267 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
      268 1               5                   10                  15
      271 <210> SEQ ID NO: 24
      272 <211> LENGTH: 5
      273 <212> TYPE: PRT
      274 <213> ORGANISM: HIV-1
      276 <220> FEATURE:
      277 <221> NAME/KEY: VARIANT
      278 <222> LOCATION: 1, 5
      279 <223> OTHER INFORMATION: Xaa = Any Amino Acid
      281 <400> SEQUENCE: 24
W--> 282 Xaa Arg Gly Asp Xaa
      283 1               5
      286 <210> SEQ ID NO: 25
      287 <211> LENGTH: 24
      288 <212> TYPE: PRT
      289 <213> ORGANISM: Influenza
      291 <400> SEQUENCE: 25
      292 Gly Leu Phe Glu Ala Ile Ala Gly Phe Ile Glu Asn Gly Trp Glu Gly
      293 1               5                   10                  15
      294 Met Ile Asp Gly Gly Gly Tyr Cys
      295               20
      298 <210> SEQ ID NO: 26
      299 <211> LENGTH: 27
      300 <212> TYPE: PRT
      301 <213> ORGANISM: Artificial Sequence
      303 <220> FEATURE:
      304 <223> OTHER INFORMATION: Synthetic construct
      306 <400> SEQUENCE: 26
      307 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu
      308 1               5                   10                  15
      309 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
      310               20                  25
      313 <210> SEQ ID NO: 27
      314 <211> LENGTH: 8
      315 <212> TYPE: PRT
      316 <213> ORGANISM: Artificial Sequence
      318 <220> FEATURE:
      319 <223> OTHER INFORMATION: Synthetic construct
      321 <400> SEQUENCE: 27
      322 Asp His Gln Leu Asn Pro Ala Phe
      323 1               5
      326 <210> SEQ ID NO: 28
      327 <211> LENGTH: 8
      328 <212> TYPE: PRT
      329 <213> ORGANISM: Homo sapiens
      331 <400> SEQUENCE: 28
      332 Phe Cys Tyr Trp Lys Thr Cys Thr
      333 1               5
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/15/2006
PATENT APPLICATION: **US/10/533,622** TIME: 15:49:05

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<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the
<220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:24; Xaa Pos. 1,5

VERIFICATION SUMMARY   DATE: 09/15/2006
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Input Set : **A:\SEQLIST.TXT**
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0